

Specifications

iQ appliance with Intel® Compute Card for SMART Board® interactive displays

Model AM50

Overview

The iQ appliance with Intel® Compute Card is designed specifically to work with SMART Board MX, 6000¹, 6000 Pro², 7000, and 7000 Pro series interactive displays to provide a complete all-in-one experience for classrooms. This solution caters to a whole class, a small group, or individual instruction.

When you install the AM50 model of the iQ appliance in a supported interactive display, you have one-touch access to a full suite of SMART education and third-party applications without connecting an external computer. These applications include the powerful whiteboard, a built-in web browser, access to a number of SMART Learning Suite applications, and multi-platform wireless screen sharing. These native iQ applications provide a simple, yet powerful onboard experience that connects student devices and the interactive display.

Install an Intel Compute Card in the appliance to provide a fully functional Windows® 10 solution at your fingertips, without the need for an external PC or cabling. Choose from two different compute card options to provide a consistent room-to-room Windows Full HD experience, including access to apps in the Microsoft® Store for Education.

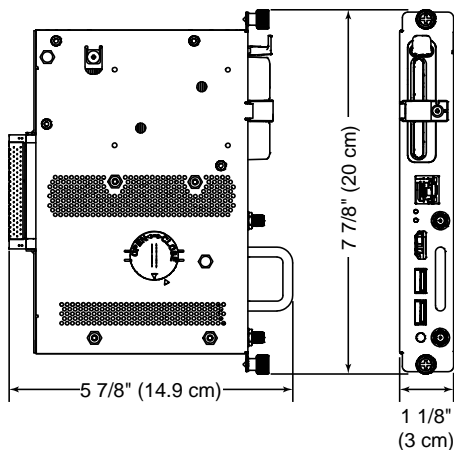
NOTE

Each Intel Compute Card comes with Windows 10 Pro.

See smarttech.com for more information about the iQ appliance for SMART Board interactive displays.

Dimensions and weights³

Dimensions



Weight

2 lb. 10 oz. (1.2 kg)

Shipping dimensions

12" W × 3" H × 9 1/4" D
(30.4 cm × 7.5 cm × 23.4 cm)

Shipping weight

3 lb. 2 oz. (1.4 kg)

¹See *Interactive displays* on page 4 under Installation requirements for more information.

²See *Interactive displays* on page 4 under Installation requirements for more information.

³All dimensions ± 1/8" (0.3 cm). All weights ± 2 lb. (0.9 kg).

iQ system software

Supported languages	Chinese (simplified) Chinese (traditional) Danish Dutch English Finnish French German Hungarian (anticipated release May 2020) Italian Korean Norwegian Portuguese Russian Spanish Swedish Ukrainian Vietnamese
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Hardware

Processor	RK3399, Dual-core A72+Quad-core A53, 64 bits, 2 GHz
Memory	4 GB DDR3L SDRAM
Storage	32 GB eMMC 5.1
Wireless technology	Bluetooth® 4.2 IEEE 802.11a/b/g/n/ac with 2 × 2 MIMO (both 2.4 and 5 GHz bands) supporting WEP, WPA, WPA2 PSK, and 802.1X EAP authentication protocols.
Capture options	Establish a Bluetooth wireless connection with a supported mobile device (see below) by scanning the appliance's unique QR code
Connectors	HDMI 1.4 (3840 × 2160) output for external monitor (can also be mirrored) USB 3.0 Type-A (for iQ) USB 3.0 Type-A (for Intel® compute card) RJ45 Gigabit Ethernet ⁴

⁴Available only for Gen 5 series interactive displays and SMART Board MX series interactive displays

Intel Compute Cards ⁵	Intel Pentium® Processor N4200 (2M cache, up to 2.5 GHz)
	4 GB LPDDR3-1866 MHz RAM
	Intel HD Graphics 505
	64 GB embedded storage
	Intel Dual Band Wireless-AC 7265
	Integrated Bluetooth 4.2
	Windows 10 Pro
	Intel Core i5-7Y57 Processor (4M cache, up to 3.30 GHz)
	8 GB LPDDR3-1866 MHz RAM
	Intel HD Graphics 615
	128 GB embedded storage
	Intel vPro™ Technology
	Intel Dual Band Wireless-AC 8265
	Integrated Bluetooth 4.2
	Windows 10 Pro

Installation requirements

Appliance	See the <i>iQ appliance for SMART Board 6000 and 7000 series interactive displays installation instructions</i> (smarttech.com/kb/171294)
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SMART kapp app

Apple devices	iOS 9 or later operating system software 50 MB of storage iPhone 4S or later Third generation iPad or later First generation iPad mini or later Fifth generation iPod touch or later
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Android devices ⁶	Android 4.4.4 (KitKat) or later operating system 50 MB of storage (internal or SD card) 1024 MB of RAM 720p or better screen resolution Bluetooth 2.1 + EDR 3 megapixel or better rear-facing camera (recommended)
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SMART kapp viewer

Mobile	Safari for iOS 8.1 or later operating system software Chrome for Android 39.0.2171.93 or later
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Desktop	Internet Explorer 10 or later Chrome 39.0.2171.95 or later Firefox 34.0.5 or later Safari 8.0 or later
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⁵AM50 can be ordered with one of the following compute cards. For more information, see ark.intel.com/#@@PanelLabel121325.

⁶See support.google.com/chromecast/answer/6293757?vid=0-518783598150-1524691699161 for more information.

Interactive displays

SMART Board 7000 and 7000 Pro series interactive displays	SBID-7375 (SMART Board 7075 with iQ and Intel Compute Card interactive display) SBID-7386 (SMART Board 7086 with iQ and Intel Compute Card interactive display) SBID-7375P (SMART Board 7075 Pro with iQ and Intel Compute Card interactive display) SBID-7386P (SMART Board 7086 Pro with iQ and Intel Compute Card interactive display)
SMART Board 6000 and 6000 Pro with iQ series interactive displays	SPNL-6365-V3 (SMART Board 6065-V3 with iQ and Intel Compute Card interactive display) SBID-6365 (SMART Board 6065-V3 with iQ and Intel Compute Card interactive display) SPNL-6375-V3 (SMART Board 6075-V3 with iQ and Intel Compute Card interactive display) SPNL-6365P (SMART Board 6065 Pro with iQ and Intel Compute Card interactive display) SPNL-6375P (SMART Board 6075 Pro with iQ and Intel Compute Card interactive display)
SMART Board MX series interactive displays	All SMART Board MX series interactive displays

Interactive displays for upgrade

SMART Board 6000 and 6000 Pro series interactive displays	SPNL-6065-V3 (SMART Board 6065-V3 interactive display) SBID-6065 (SMART Board 6065-V3 interactive display) SPNL-6075-V3 (SMART Board 6075-V3 interactive display) SPNL-6065P (SMART Board 6065 Pro interactive display) SPNL-6075P (SMART Board 6075 Pro interactive display)
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NOTE

An AM50 iQ appliance is not included with these displays but these displays support the AM50 iQ appliance.

SMART Notebook™ software

See [SMART Notebook release notes](#)

SMART Meeting Pro™ software

See SMART Meeting Pro 4 release notes (smarttech.com/kb/170982)

Storage and operating requirements

Power requirements 12–19VDC at 2.5–1.6A

Power consumption

Power consumption at 77°F (25°C) without Intel compute cards ≤30 W

Power consumption at 77°F (25°C) with Intel compute cards <60 W

Operating temperature 41–95°F (5–35°C)

Storage temperature -40–140°F (-40–60°C)

Humidity 85% relative humidity, non-condensing

Certification and compliance

Regulatory certification UL (U.S./Canada), FCC, ISED, CE Mark, RCM Mark

Environmental compliance

European Union REACH, RoHS, WEEE, Battery and Packaging

U.S. CONEG Packaging, CA Proposition 65 and Conflict Minerals

Purchasing information

Order number

UGK-AM50-EDU iQ appliance with Intel Compute Card for SMART Board interactive displays

UGK-AM50-PRO iQ appliance with Intel Compute Card for SMART Board Pro interactive displays

Optional accessories See [smarttech.com/accessories](https://www.smarttech.com/accessories)

Warranty Three-year limited equipment warranty

[smarttech.com/support](https://www.smarttech.com/support)
[smarttech.com/contactsupport](https://www.smarttech.com/contactsupport)

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